

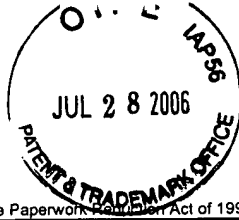
*JPW*

PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/743,316-Conf. #5571	
	Filing Date	December 23, 2003	
	First Named Inventor	Ole A. Anfinsen et al.	
	Art Unit	3661	
	Examiner Name	M. Marc	
Total Number of Pages in This Submission	2	Attorney Docket Number	43315-201413

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of Notice of Recordation (recorded on June 4, 2004)
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	VENABLE LLP		
Signature			
Printed name	Eric J. Franklin		
Date	July 28, 2006	Reg. No.	37,134



PTO/SB/17 (01-06)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2006**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 0.00**Complete if Known**

Application Number	10/743,316-Conf. #5571
Filing Date	December 23, 2003
First Named Inventor	Ole A. Anfindsen et al.
Examiner Name	M. Marc
Art Unit	3661
Attorney Docket No.	43315-201413

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: 22-0261 Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 20 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 3 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**Multiple Dependent Claims**

**Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	37,134	Telephone	(202) 344-4936
Name (Print/Type)	Eric J. Franklin	Date	July 28, 2006		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Anfindsen et al.

Application No.: 10/743,316

Filed: December 23, 2003

Attorney Docket: 43315-201413

Art Unit: 3661

Examiner: M. Marc

For: A METHOD AND A SYSTEM FOR PROGRAMMING AN INDUSTRIAL ROBOT

REVOCATION AND POWER OF ATTORNEY

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

ABB Research Ltd. certifies that it is the assignee of the entire right, title, and interest in the above-referenced application, by virtue of the assignment from the inventors to ABB Research Ltd., which was recorded in the U.S. Patent and Trademark Office on June 4, 2004 at reel 015431, frame 0866. ABB Research Ltd. hereby revokes all prior powers of attorney and hereby appoints the attorneys and agents of Venable LLP associated with the following customer number to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:


26694

PATENT TRADEMARK OFFICE

Please change the correspondence address for the above-identified application to:

Eric J. Franklin  
Venable LLP  
Post Office Box 34385  
Washington, DC 20043-9998  
Telephone: (202) 344-4000  
Facsimile : (202) 344-8300

Date: 28 July 2006

  
Nick Warren  
Patent Attorney  
ABB Research Ltd.



433150 201413  
E97

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 09, 2004

PTAS

VENABLE, BAETJER, HOWARD AND CIVILETTI,  
P.O. BOX 34385  
WASHINGTON, DC 20043-9998



\*102763143A\*

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/04/2004

REEL/FRAME: 015431/0866  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ANFINDSEN, OLE ARNT

DOC DATE: 05/06/2004

ASSIGNOR:

SKOURUP, CHARLOTTE

DOC DATE: 04/01/2004

ASSIGNOR:

PETTERSEN, THOMAS

DOC DATE: 03/11/2004

ASSIGNOR:

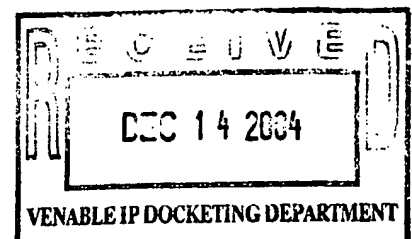
PRETLOVE, JOHN

DOC DATE: 03/12/2004

ASSIGNEE:

ABB RESEARCH LTD.  
AFFOLTERNSTRASSE 52  
ZURICH, SWITZERLAND CH-8050

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015431/0866 PAGE 2

SERIAL NUMBER: 10743316

FILING DATE: 12/23/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND A SYSTEM FOR PROGRAMMING AN INDUSTRIAL ROBOT

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PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (ex

06-10-2004

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COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



2 8 2004

ONLY

Tab settings → → →

102763143

Atty Docket: 43315-201413

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ole Arnt ANFINDSEN  
Charlotte SKOURUP  
Thomas PETTERSEN  
John PRETLOVE

6-4-04

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: ABB Research Ltd.

Internal Address:

Street Address: Affolternstrasse 52

City: Zürich State/Country: Switzerland

Zip: CH-8050

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: May 6 2004 (O.A. Anfindsen), March 11, 2004 (T. Pettersen), March 12, 2004 (J. Pretlove) and April 1, 2004 (C. Skourup).

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application by the first named inventor is: \_\_\_\_\_

A. Patent Application No.(s)

10/743,316

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

\*26694\*  
26694

PATENT TRADEMARK OFFICE

Name: VENABLE

Address: P.O. Box 34385

City: Washington State: D.C. Zip: 20043-9998

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) .....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Eric J. Franklin, Reg. No. 37,134

Name of Person Signing

Signature

June 4, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Alexandria, VA 22313-1450

VENABLE  
ATTORNEYS AT LAW

PC Docs No. 553325

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Ole Arnt Anfindsen, Graversveien 47, N-4306 Sandnes, Norway; Charlotte Skourup, Kirkebakken 1, N-3040 Drammen, Norway; Thomas Pettersen, Mellombolge 50, N-1157 Oslo, Norway; and John Pretlove, Harrecshous vei 12, N-1378 Sandvika, Norway, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to A METHOD AND A SYSTEM FOR PROGRAMMING AN INDUSTRIAL ROBOT for which said assignor has caused an application for United States Letter Patent to be prepared,

- [ ] the inventor's declaration for said application being executed concurrently with the execution of this instrument;
- [ ] said application to be filed in the United States Patent and Trademark Office;
- [X] said Non-Provisional application having been filed in the United States Patent and Trademark Office on December 23, 2003, and given Application Number 10/743,316;
- [ ] said application having been filed under the Patent Cooperation Treaty on \_\_, and given Application No. \_\_ the United States of America having been designated.

AND WHEREAS ABB Research Ltd.

Affolternstrasse 52

CH-8050 Zürich, Switzerland

hereinafter referred to as the assignee is desirous of acquiring the entire right, title and interest in and to said application, including any divisions and continuations thereof, and in and to said invention and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said invention and to said application, including any divisions and continuations thereof, and in any patents which may be granted therefor, including any renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said invention and said application, including any divisions and continuations thereof, and any patents which may be granted therefor, including any renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any such patents when granted, including any renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any acts relating to the obtaining or to the asserting of said patents, including any renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 6 day of May, 2004

Signature:

Name:

Address:

Ole Arnt Anfindsen

Ole Arnt Anfindsen

Graversveien 47, N-4306 Sandnes, Norway

**BEST AVAILABLE COPY**

EXECUTED, this Thursday of 1. April, 2004

Signature: Charlotte Skourup  
Name: Charlotte Skourup  
Address: Kirkebakken 11, NO-3040 Drammen, Norway

EXECUTED, this \_\_\_\_ day of \_\_\_\_\_, 2004

Signature: \_\_\_\_\_  
Name: Thomas Pettersen  
Address: Seljeholtet 19, NO-1560 Larkollen, Norway

EXECUTED, this \_\_\_\_ day of \_\_\_\_\_, 2004

Signature: \_\_\_\_\_  
Name: John Pretlove  
Address: Harreschous vei 12, NO-1338 Sandvika, Norway


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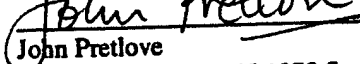
EXECUTED, this \_\_\_\_ day of \_\_\_\_\_, 2004

Signature: \_\_\_\_\_  
Name: Charlotte Skourup  
Address: Kirkebakken 1, N-3040 Drammen, Norway

EXECUTED, this 11 day of March, 2004

Signature:   
Name: Thomas Pettersen  
Address: ~~Mellombølge 50, N-1157 Oslo, Norway~~  
SELJENHOLTET 19, NO-1560 LARVOLL

EXECUTED, this 12 day of March, 2004

Signature:   
Name: John Pretlove  
Address: ~~Harreshus vei 12, N-1378 Sandvika, Norway~~  
Harreschous

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